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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

JERREL C. ANDERSON

SERIAL NO.: 10/734363

FILED: DECEMBER 12, 2003

FOR: USE OF PET FILM PRIMED WITH POLYALLYLAMINE COATINGS IN  
LAMINATED GLASS GLAZING CONSTRUCTIONS

CASE NO.: AD7079 US NA

GROUP ART UNIT: 1773

EXAMINER: VIVIAN CHEN

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REQUEST FOR CORRECTION OR REFUND -  
PETITION FOR EXTENSION OF TIME

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

On February 21, 2006, applicants filed a Response to the Office Action dated September 22, 2005, along with a Petition for Extension of Time. Applicants checked the box for a three month extension of time. However, applicants should have checked the box for a two month extension of time. Consequently, applicants hereby request that the Patent Office either (a) only charge for a two month extension of time or (b) refund the difference between the cost of a three month and two month extension of time by crediting \$570 to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

*Mark D. Kuller*

Mark D. Kuller  
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Dated: February 22, 2006

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IN THE APPLICATION OF:

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FOR: USE OF PET FILM PRIMED WITH POLYALLYLAMINE COATINGS IN  
LAMINATED GLASS GLAZING CONSTRUCTIONS

SUPPLEMENTAL AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Introductory Comments

Sir:

This is submitted to correct an error in the Response to the Office Action dated September 22, 2005. Please amend the application as follows:

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Amendments to Claims

1. (Previously Presented) A laminate comprising a layer of a polyester film that has been coated with a polyallylamine coating that is adjacent to, and in direct contact with, at least one other polymeric layer comprising a polymer selected from the group consisting of: ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; and ethylene acid copolymers, wherein the polyallylamine coating adheres the polyester film to the at least one other polymeric layer.

2. (Cancelled)

3. (Cancelled)

4. (Previously Presented) The laminate of Claim 2 wherein the polymer is the ionoplast resin.

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Currently amended) A laminate comprising: (1) a first polymer layer comprising a polymer selected from the group consisting of polyvinyl butyral; ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; and ethylene acid copolymers that is adjacent to and adhered to (2) a first polyester film layer comprising a polyester film that has been coated on both sides with polyallylamine coating, wherein the first polyester film layer is additionally adjacent to and adhered to (3) a second polymer layer comprising a polymer selected from the group consisting of polyvinyl butyral; ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; and ethylene acid copolymers, wherein the second polymer layer is additionally adjacent to and adhered to (4) a second polyester film layer comprising a polyester film that has been coated on both sides with a polyallylamine coating, wherein the second polyester film layer is additionally adjacent to and adhered to (5) a third polymer layer comprising a polymer selected from the group consisting of polyvinyl butyral; ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; and ethylene acid copolymers.

14. (Cancelled)

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15. (Cancelled)
16. (Cancelled)
17. (Cancelled)
18. (Cancelled)
19. (Previously Presented) The laminate of Claim 13 wherein the polymer of the first polymer layer and the third polymer layer are the same polymer.
20. (Previously Presented) The laminate of Claim 13 wherein the polymer of the first polymer layer is the ionoplast resin and the polymer of the third polymer layer is the ionoplast resin.
21. (Previously Presented) The laminate of Claim 13 wherein the polymer of the second polymer layer is the ionoplast resin and the polymer of the first and third polymer layers is the polyvinyl butyral.
22. (Cancelled)
23. (Previously Presented) The laminate of Claim 13 wherein polymer of the first polymer layer is the polyvinyl butyral.
24. (Previously Presented) The laminate of Claim 13 wherein the polymer of the first polymer layer is the ionoplast resin.
25. (Cancelled)
26. (Previously Presented) A laminate comprising: (1) an ionoplast resin polymer layer that is in direct contact with (2) a polyester film that has been coated on both sides with a polyallylamine coating, wherein the coated polyester film is additionally in direct contact with (3) a polyvinyl butyral polymer layer, wherein the 90 degree peel strength is at least 15 lb/inch for the polymer layers.
27. (Cancelled)
28. (Currently amended) An article comprising a laminate comprising a layer of a polyester film that has been coated with a polyallylamine coating that is adjacent to, and in direct contact with, at least one other polymeric layer comprising a polymer selected from the group consisting of: polyvinyl butyral; ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; and ethylene acid copolymers, wherein the polyallylamine coating adheres the polyester film to the at least one other polymeric layer.
29. (Currently amended) The article of Claim 28 wherein the article is an article selected from the group consisting of: automobiles, display cabinets, trains, airplanes, boats, and buildings.

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30. (Previously Presented) The article of Claim 28 wherein the article is an article selected from the group consisting of: windows, stairs, ceilings, walls and skylights.
31. (Previously Presented) The laminate of claim 13 wherein the laminate is a glass laminate and the first polymer layer is laminated to the glass.
32. (Previously Presented) The laminate of claim 31 wherein the third polymer layer is also laminated to glass.
33. (Previously Presented) The laminate of claim 1 wherein the polyester film is a polyethylene terephthalate film.
34. (Previously Presented) The laminate of claim 13 wherein the polyester film of the first polyester film layer and the second polyester film layer is polyethylene terephthalate film.
35. (Previously Presented) The laminate of claim 32 wherein the polymer of the first polymer layer is the polyvinyl butyral; the polymer of the second polymer layer is the ionoplast resin; and the polymer of the third polymer layer is the polyvinyl butyral.
36. (Currently amended) The laminate of claim 37 35 wherein the polyester film of the first polyester film layer and the second polyester film layer is polyethylene terephthalate film.
37. (Currently Amended) A glass laminate comprising: (a) a layer of a polyester film that has been coated with a polyallylamine coating that is adjacent to, and adhered to, (b) a polymer layer comprising a polymer selected from the group consisting of polyvinyl butyral; ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; and ethylene acid copolymers, wherein the polymer layer is laminated to the glass.
38. (Previously Presented) The laminate of claim 37 wherein the polyester film is a polyethylene terephthalate film.
39. (Previously Presented) The laminate of claim 38 wherein the polymer is the polyvinyl butyral.
40. (Previously Presented) The laminate of claim 38 wherein the polymer is the ionoplast resin.
41. (Currently amended) A laminate comprising: (1) a first polymer layer comprising a polymer selected from the group consisting of polyvinyl butyral; ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; and ethylene acid copolymers that is adjacent to and adhered to (2) a polyester film layer comprising a polyester film that has been coated on both sides with polyallylamine coating, wherein the polyester film layer is

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additionally adjacent to and adhered to (3) a second polymer layer comprising a polymer selected from the group consisting of polyvinyl butyral; ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; and ethylene acid copolymers.

42. (Previously Presented) The laminate of claim 41 wherein the polyester film is a polyethylene terephthalate film.

43. (Previously Presented) The laminate of Claim 42 wherein the polymer of the first polymer layer and the polymer of the second polymer layer are not the same polymer.

44. (Previously Presented) The laminate of claim 42 wherein the polymer of the first polymer layer is the polyvinyl butyral and the polymer of the second polymer layer is the ionoplast resin.

45. (Previously Presented) The laminate of claim 42 wherein the first polymer layer is adjacent to and adhered to a polyester film layer comprising a polyester film that has been coated on the side adjacent to the first polymer layer with a polyallylamine coating and which is coated on the other side with a hardcoat.

46. (Previously Presented) The laminate of claim 42 wherein the first polymer layer is adjacent to and adhered to a polyester film layer comprising a polyester film that has been coated on the side adjacent to the first polymer layer with a polyallylamine coating and which is coated on the other side with a hardcoat.

47. (Previously Presented) The laminate of claim 45 wherein the laminate is a glass/plastic laminate and the second polymer layer is laminated to the glass.

48. (Currently amended) A laminate comprising: (1) a polymer layer comprising a polymer selected from the group consisting of polyvinyl butyral; ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; and ethylene acid copolymers that is adjacent to and adhered to (2) a polyester film layer comprising a polyester film that has been coated on the side adjacent to the polymer layer with a polyallylamine coating and which is coated on the other side with a hardcoat.

49. (Previously Presented) The laminate of claim 47 wherein the hardcoat is a polysiloxane abrasion resistant coating.

50. (Previously Presented) The laminate of claim 48 wherein the polyester film is a polyethylene terephthalate film.

51. (Previously Presented) The laminate of claim 49 wherein the laminate is a glass/plastic laminate and the polymer layer is laminated to the glass.

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52. (Currently amended) A laminate comprising: (1) a polymer layer comprising a polymer selected from the group consisting of polyvinyl butyral; ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; and ethylene acid copolymers that is adjacent to and adhered to (2) a polyester film layer comprising a polyester film that has been coated on both sides with a polyallylamine coating and which is further coated on the side opposite the polymer layer with a hardcoat.

53. (Previously Presented) The laminate of claim 47 wherein the hardcoat is a polysiloxane abrasion resistant coating.

54. (Previously Presented) The laminate of claim 48 wherein the polyester film is a polyethylene terephthalate film.

55. (Previously Presented) The laminate of claim 49 wherein the laminate is a glass/plastic laminate and the polymer layer is laminated to the glass.

56. (Previously Presented) The laminate of claim 1 wherein the polyallylamine coating was applied in-line with the polyester film.

57. (Previously Presented) A process for preparing a laminate comprising the steps of:

- (a) providing a polyester film coated with polyallylamine;
- (b) providing a polymer sheet selected from the group consisting of polyvinyl butyral; ionoplast resin; polyurethanes; polyvinyl chlorides; polyacetals; ethylene acid copolymer sheet; and
- (c) contacting the polyallylamine coated surface of the polyester film to the polymer sheet; and
- (d) adhering coated surface of the polyester film to the polymer sheet by heating.

58. (Previously Presented) The process of claim 57, wherein the polymer sheet is selected from the polyvinyl butyral sheet and the ionoplast resin sheet.

59. (Previously Presented) The process of claim 58 wherein the polyester film is a polyethylene terephthalate film.

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**REMARKS**

Reconsideration is respectfully requested in view of the amendments and remarks herein.

A number of claims are amended by replacing commas with semicolons for consistency.

Claim 29 is amended to fix a typographical error.

Claim 36 is amended to depend from claim 35 instead of claim 37.

Entry and consideration are respectfully requested.



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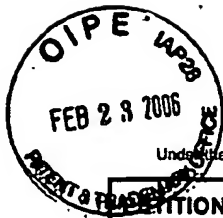
In view of the Response and the foregoing, allowance of the above-referenced application is respectfully requested. Should any matters be unresolved by this response, the Examiner is invited to telephone the undersigned at the below-listed direct dial number in order to expedite prosecution.

Respectfully submitted,



Mark D. Kuller  
Attorney For Applicant  
Registration No.: 40,296  
Telephone: (302) 892-1354  
Facsimile: (302) 992-3257

Dated: February 22, 2006



PTO/SB/22 (7-04)

Approved for use through 07/31/2008. OMB 0851-0031  
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<b>APPLICATION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)</b> <b>FY 2005</b> (Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).)		Docket Number (Optional) <b>AD7079USNA</b>	
Application Number <b>10/734363</b>		Filed <b>December 12, 2003</b>	
For <b>USE OF PET FILM PRIMED WITH POLYALLYLAMINE COATINGS IN LAMINATED GLASS GLAZING CONSTRUCTIONS</b>			
Art Unit <b>1773</b>		Examiner <b>Vivian Chen</b>	
This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application. The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):			
		<b>Fee</b>	<b>Small Entity Fee</b>
<input type="checkbox"/>	One month (37 CFR 1.17(a)(1))	\$120	\$60
<input type="checkbox"/>	Two months (37 CFR 1.17(a)(2))	\$450	\$225
<input checked="" type="checkbox"/>	Three months (37 CFR 1.17(a)(3))	\$1020	\$510
<input type="checkbox"/>	Four months (37 CFR 1.17(a)(4))	\$1590	\$795
<input type="checkbox"/>	Five months (37 CFR 1.17(a)(5))	\$2160	\$1080
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.			
<input type="checkbox"/> A check in the amount of the fee is enclosed.			
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.			
<input type="checkbox"/> The Director has already been authorized to charge fees in this application to a Deposit Account.			
<input checked="" type="checkbox"/> The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number <b>04-1928</b> . I have enclosed a duplicate copy of this sheet.			
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.			
I am the <input type="checkbox"/> applicant/inventor.			
<input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).			
<input checked="" type="checkbox"/> attorney or agent of record. Registration Number <b>31,925</b>			
<input type="checkbox"/> attorney or agent under 37 CFR 1.34. Registration number if acting under 37 CFR 1.34 _____			
Signature <b>Mark D. Kuller</b>		Date <b>2/21/06</b>	
Typed or printed name <b>Mark D Kuller</b>		Telephone Number <b>(302) 892-1354</b>	
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.			
<input type="checkbox"/> Total of _____ forms are submitted.			

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Adjustment date: 03/21/2006 SDIRETA1  
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